

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kocken et. al.

Serial No.: 10/615,615

Filed: July 8, 2003

For: EFFICIENT EXPRESSION OF PLASMODIUM APICAL MEMBRANE ANTIGEN 1 IN YEAST CELLS

Confirmation No.: 8276

Examiner:

Group Art Unit: 1636

Attorney Docket No.: 2183-6041US

CERTIFICATE OF MAILING

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12-15-2003

Betty Vowles

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

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defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

Other Documents

EMBL Database Entry PFPF83B, Accession number M58546, 1 May 1991.

KOCKEN et al., High-Level Expression of Plasmodium vivax Apical Membrane Antigen 1 (AMA-1) in Pichia pastoris: Strong Immunogenicity in Macaca mulatta Immunized with P. vivax AMA-1 and Adjuvant SBAS2, Infection and Immunity, Jan. 1999, pp. 43-49, Vol. 67, No. 1.

KOCKEN et al., Rapid Screening and Mapping of Conformational Epitopes Expressed in the Secretion Expression System Pichia pastoris, Analytical Biochemistry, 1996, pp. 111-112.

NARUM et al., Ion-exchange-immunoaffinity purification of a recombinant baculovirus Plasmodium falciparum apical membrane antigen, PF83/AMA-1, Journal of Chromatography, 1993, pp. 357-63, Vol. 657, Amsterdam.

THOMAS et al., Analysis of variation in PF83, an erythrocytic merozoite vaccine candidate antigen of Plasmodium falciparum, Molecular and Biochemical Parasitology, 1990, pp. 285-288, Vol. 42.

WITHERS-MARTINEZ et al., PCR-based gene synthesis as an efficient approach for expression of the A + T-rich malaria genome, Protein Engineering, 1999, pp. 1113-20, Vol. 12, No. 12.

PCT International Preliminary Examination Report, PCT/NL01/00934, dated November 1, 2002, 3 pages

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This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,

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Enclosures: Form PTO-1449 or PTO/SB/08

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| INFORMATION DISCLOSURE | Application Number | 10/615,615 |
| INFORMATION DISCLOSURE | Filing Date | July 8, 2003 |
| STATEMENT BY APPLICANT | First Named Inventor | Kocken et. al. |
| | Group Art Unit | 1636 |
| (use as many sheets as necessary) | Examiner Name | To be assigned |
| Sheet 1 of 1 | Attorney Docket Number | 2183-6041US |

| Examiner Initials * | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
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